DOCUMENT RESUME

ED 084 303 TM 003 326

AUTHOR	Johnson, Lary; Faunce, R. W.
TITLE	Minneapolis Junior and Senior High School Students' Attitudes Toward School May 1972.
INSTITUTION	Minneapolis Public Schools, Minn. Dept. of Research and Evaluation.
PUB DATE	Nov 72
NOTE	49p.
EDRS PRICE	MF-$0.65 HC-$3.29
DESCRIPTORS	Affective Behavior; *Attitude Tests; Educational Environment; Questionnaires; *School Attitudes; *Secondary School Students; *Student Attitudes; Student Opinion; *Student School Relationship
IDENTIFIERS	*Minneapolis Public Schools; Student Opinion Questionnaire

ABSTRACT

This report presents the results of a 93-item student attitude measure, the Student Opinion Questionnaire (SOQ.) The SOQ measures attitudes in the following areas: general listing of school, interest in learning, unfair punishment, self concept, friendly atmosphere, envolvement in decision making, class discussions, positive reinforcement, curriculum relevance, fear of asking questions, perception of progress in learning, teacher quality, and racial attitudes. The Questionnaire was administered to over 22,000 students in grades 7-12 from 26 junior and senior high schools. Wide variations in the response patterns for individual schools and large grade level variations in the responses are described. The SOQ is in the developmental stages and has undetermined validity and reliability. However, its results may be used to stimulate staff development activities to study longitudinal trends in student attitudes, and to evaluate specific programs with affective objectives. (NE)

ED 084303

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

Minneapolis Public Schools

Minneapolis Junior and Senior High School Students' Attitudes Toward School

May 1972

Lary Johnson, Research Associate

and

R. W. Faunce, Director of Research

TM 003 326

Ideas expressed in this report do not necessarily reflect the official position of the Minneapolis Public School Administration nor the Minneapolis School Board.

November 1972
C-71-41

Research and Evaluation Department
Educational Services Division
807 N. E. Broadway
Minneapolis, Minnesota 55413

FILMED FROM BEST AVAILABLE COPY

Minneapolis Public Schools

Minneapolis Junior and Senior High School Students' Attitudes Toward School

Summary

In response to increased attention being given by educators to student behavior in the affective domain, the Minneapolis Public Schools' has developed an instrument to measure student attitudes toward school. The present form of the Student Opinion Questionnaire (SOQ) has 93 items that measure student attitudes in the following areas: general liking of school, interest in learning, unfair punishment, self-concept, friendly atmosphere, involvement in decision making, class discussions, positive reinforcement, curriculum relevance, fear of asking questions, perception of progress in learning, teacher quality, and racial attitudes.

See pp. 1-4

Although the Student Opinion Questionnaire is in the developmental stages and has undetermined validity and reliability, the SOQ results can be used to stimulate staff development activities, to longitudinally study trends in student attitudes, and to evaluate specific programs with affective objectives.

See pp. 4-5

In May 1972 the SOQ was given to more than 22,000 Minneapolis Public School students in grades 7-12. The opinions of students from ten of eleven senior high schools and sixteen of seventeen junior high schools are presented in this report. Student responses to each item within several attitude-areas are given by grade for each school.

Although the main benefit of this report will be related to the consideration each school's staff gives the data, a few general results are described. About 9 out of 10 students said they enjoyed learning new things and that they had the ability to learn most things. About three-fourths of the students said they liked most of their teachers, they could get help from most teachers, and they were encouraged to think for themselves. About half of the students indicated that schoolwork was interesting and that they liked their classes. Two-thirds to three-fourths of the students felt it was a good idea to have students of other races go to the same school.

See pp. 8-9

At each grade level a wide variation among the responses of students at different schools occurred. For example, at grade nine, 77% of the students at school U agreed that schoolwork is interesting, compared with 46% at school M. Some large grade level differences also occurred. The following percentages at each grade level said they are sometimes blamed for someone else's activities: seventh (71%), eighth (72%), ninth (64%), tenth (48%), eleventh (46%), and twelfth (37%).

Research and Evaluation Department
Educational Services Division

November 1972

Table of Contents

	Page
Introduction.	1
Development of the Student Opinion Questionnaire.	2
May 1972 Form of the SOQ	3
Uses of the SOQ	4
Cautions	5
May 1972 Administration of the SOQ.	6
Results for May 1972.	8

List of Tables

Table No.		Page
1	Percentage of Students Who Completed the Student Opinion Questionnaire at Each School at Each Grade Level.	7
2	Response of Seventh Grade Students by School to Items on the Student Opinion Questionnaire May 1972.	10
3	Response of Eighth Grade Students by School to Items on the Student Opinion Questionnaire May 1972.	15
4	Response of Ninth Grade Students by School to Items on the Student Opinion Questionnaire May 1972.	20
5	Response of Tenth Grade Students by School to Items on the Student Opinion Questionnaire May 1972.	25
6	Response of Eleventh Grade Students by School to Items on the Student Opinion Questionnaire May 1972.	30
7	Response of Twelfth Grade Students by School to Items on the Student Opinion Questionnaire May 1972.	35
8	Response by Grade to Items on the Student Opinion Questionnaire May 1972. . .	40

Minneapolis Public Schools

Minneapolis Junior and Senior High School Students' Attitudes Toward School

In recent years educators have devoted increasing amounts of attention to student attitudes toward school. This increased attention may be traced to several sources. High school students have begun to express openly their feelings about the education they are receiving. The current emphasis on behavioral objectives and accountability has encouraged program directors and curriculum developers to consider the affective domain of student behavior. Various groups have placed greater emphasis on the humanitarian and individual aspects of education, as evidenced by the burgeoning alternative programs within and outside the school system. Many educational leaders in public school systems have identified and emphasized affective behaviors as important goals for their system and students.

The opinions of Minneapolis students from ten of eleven senior high schools and sixteen of seventeen junior high schools, measured by the Minneapolis Student Opinion Questionnaire, are presented in this report. Responses of students at Marshall-University Junior and Senior High Schools are not included in this report. The Marshall-University responses will be reported separately by the evaluation team working with the experimental schools project.

The main purpose of this report is to provide the staffs at each school with information that could be useful in program planning and staff development activities. Student responses to each item within several areas are given by grade for each school. A more detailed and technical report will be available soon which will include an analysis of responses by sex, achievement level, and race of students.

Development of the Student Opinion Questionnaire

In the summer and fall of 1970 the Research and Evaluation Department received requests from several secondary schools to assist them with the development and analysis of a student attitude questionnaire. Some of these requests referred to separate instruments developed by the staffs at two Minneapolis junior high schools. At a similar point in time, the Minneapolis Schools' Secondary Education Department identified some system-wide objectives that could be incorporated into an attitude questionnaire.

A 105-item attitude questionnaire used at Anthony Junior High in May 1969 and 1970 was factor analyzed to identify clusters of items that measured the same attitudes. Forty-three of the 105 items were discarded because they either were not related to other items, were content irrelevant, or were ambiguous. Twenty-nine new items were added to the remaining 62 items to form a new set of 91 items named the Student Opinion Questionnaire (SOQ). Some items measured general attitudes, while other items were more closely related to specific objectives of a secondary school program. The 91 items were divided into fifteen areas or factors. Some of these factors had a statistical basis while other factors were composed of items that appeared to be measuring the same attitude. The fifteen factors were given the following labels:

- Liking of School
- Unfair Punishment
- Fostering Individualized Learning
- Fun of Learning
- Fear of Asking Questions
- Involvement in Decision Making
- Dehumanization
- Positive Reinforcement
- Encouragement for Independent Thought and Action
- Interest in Learning
- Peer Relations
- Concept of Self as a Learner
- Teacher Quality
- Curriculum Relevance
- Perception of Progress in Learning

More than 6000 students in ten junior highs and one senior high responded to the Student Opinion Questionnaire in May 1971.[1] On the positive

[1] Johnson, Lary and Faunce, R. W. "Responses of Junior High Students to the Student Opinion Questionnaire May 1971." Minneapolis Public Schools, October 1971.

side, most students reported that they enjoyed learning (85%) and wanted to continue their education beyond high school (83%). More than seven out of ten students liked most of their teachers and felt that most teachers liked them.

The students were less positive on items in the following areas: liking of school, positive reinforcement, teacher quality, and curriculum relevance. As examples, 57% of the respondents said they liked school, 46% said they were praised when they did good work, 53% said their teachers really know how to teach, and 46% said school doesn't teach the more important things in life.

May 1972 Form of the SOQ

The May 1971 SOQ responses of the 6000 junior high students were factor analyzed to further identify groups of items (factors) such that all items in a particular group were related to each other (measured the same concept) but were not related to items in other factors. Ten of the 15 factors that were tentatively identified on the May 1971 form of the SOQ were statistically identified on four separate factor analyses of grade 7, grade 8, grade 9, and the total of grades 7-9. Five of the tentative 1971 factors did not appear after the factor analyses, one new factor appeared (labeled Class Discussions), and two less clearly identified factors emerged. Twenty-two of the 91 items did not appear in the factors; thirteen of these items were eliminated and nine items were kept on the 1972 form of the SOQ because of their individual interest. Seven new items were added to increase the number of items in some factors. Also, eight items related to racial attitudes were added to the 1972 form.

The following factors, with the number of items in each factor, were included in the 93-item 1972 form of the Student Opinion Questionnaire:

Factor or Area	Number of Items
Liking of School	11
Interest in Learning	6
Unfair Punishment	6
Self-Concept	5
Friendly Atmosphere	5
Involvement in Decision Making	5
Class Discussions	4
Positive Reinforcement	5
Curriculum Relevance	5
Fear of Asking Questions	5
Perception of Progress in Learning	4
Racial Items	8
Factor Y (Related to Teachers)	12
Factor X	5
Other Items	10
	96[a]

[a]The number of items is 96 rather than 93 because three items were in two factors or areas.

As in the previous form the respondent indicated his opinion about each of the 93 items by marking one of four choices: Strongly Agree, Agree, Disagree, or Strongly Disagree.

Uses of the SOQ

In the opinion of the writers, the most valuable use of the Student Opinion Questionnaire is to serve as a stimulant to staff development activities related to student outcomes covered by the questionnaire.

For example, after reviewing the results for their individual school, a school staff may decide to devote energies to planning activities that will lead to the development of a more relevant curriculum for the students. The value of the questionnaire will correspond directly with the degree of effort made by the staff to use its results.

The SOQ also could be used in longitudinal studies of students' attitudes on a system-wide and individual school basis. Changes in students' attitudes could be determined by periodically administering the SOQ. Trends over time could be used to determine progress toward established system-wide goals in the affective domain.

The SOQ may be useful as an evaluation instrument for specific programs that have identified objectives in areas measured by the SOQ. For example, if a program intends to improve student attitudes toward school, the Liking-of-School factor may be a reasonable instrument to measure the attainment of that objective.

Cautions. Although the SOQ has some value, particularly as a stimulant to staff activities within the schools, it is still in the developmental stage. Validity studies have not been extensively conducted. Although most items in each factor have a high degree of statistical relationship with each other and probably are measuring the same concept, there may be some question as to what that concept is and whether or not the items in the factor are measuring all aspects of the named concept. Factor names were assigned by the writers. Other investigators may interpret the factor meanings differently and suggest other names.

Reliability studies have not been conducted. It has not been determined to what degree an individual will give consistent responses to the questions.

Despite these cautions, the authors feel that it is possible to use the SOQ results as an estimate of how students feel about school-related areas.

May 1972 Administration of the SOQ

At the request of the Minneapolis Schools' Department of Secondary Education, the Research and Evaluation Department distributed the 1972 form of the SOQ to all secondary schools for administration in May 1972 to all students. The individual schools arranged the administration procedure for their schools and returned the completed questionnaires to the Research and Evaluation Department. Although the instructions to schools called for anonymous responses, a small percentage of students in a few schools put their name on the questionnaire. When the questionnaire responses were put on tape for processing, the student names were not included.

Table 1 on page 7 gives the percentage of students in each grade at each school who completed questionnaires. Since schools were given directions to administer the questionnaire to all students without sampling, the confidence in and interpretability of the results is related to the percentage of students who completed the questionnaire. For example, the results for school A are probably a more accurate respresentation of the student population than are the results for school D, since more than 80% of the students at each grade level completed the questionnaire at school A and only about half of the students at each grade level completed the questionnaire at school D. Also, the principal at school B can be quite confident that his twelfth grade students are adequately represented, with 98% responding, but responses of tenth graders may not be representative, since over 40% did not complete the questionnaire.

Table 1

Percentage of Students Who Completed the Student Opinion Questionnaire at Each School at Each Grade Level

Senior High	Grade 10	Grade 11	Grade 12
A	81%	82%	88%
B	59	77	98
C	85	87	92
D	59	56	54
E	62	51	44
F	81	84	87
G	79	72	78
H	89	82	85
I	45	38	52
J	62	71	61
Total N = 9,307	71%	72%	77%

Junior High	Grade 7	Grade 8	Grade 9
K	94%	88%	86%
L	84	90	89
M	96	92	87
N	80	77	58
O	94	98	82
P	83	82	81
Q	89	89	87
R	91	89	87
S	76	74	77
T	78	63	67
U	63	69	75
V	90	85	88
W	91	88	92
X	85	82	87
Y	69	64	60
Z	91	91	82
Total N = 11,305	86%	83%	81%

Results for May 1972

Student responses to the SOQ in May 1972 have been summarized in Tables 2-7 on pages 10 - 39 for each grade level for each of the 16 junior and 10 senior high schools and for each grade level across all schools (Total column). The numbers in Tables 2-7 indicate the percentage of students who agreed to each of the items (sum of the percentages who answered either strongly agree or agree).

Although the writers feel the main benefit of this report will come from the amount of consideration each school's staff gives to the data, a few general results will be described.

At each grade level a wide variation among the responses of students at different schools occurred. For example, on the first item at grade nine, 77% of the ninth graders at school U agreed that schoolwork is interesting, compared with 46% of the ninth graders at school M (Table 4).

Differences across grade levels also occurred. At the junior high level, seventh graders tended to have the most favorable attitudes toward school, while eighth graders had the least favorable attitudes. Senior high students responded differently than junior high students on several factors. The following percentages of students at each grade level said they are sometimes blamed for someone else's activities: seventh grade - 71%, eighth grade - 72%, ninth grade - 64%, tenth grade - 48%, eleventh grade - 46%, and twelfth grade - 37%. Table 8 on page 40 gives the student response to each item at each grade level summed across all schools. The representativeness of the sample should be kept in mind when interpreting differences between grade levels. The following percentages of students at each grade level completed the SOQ: grade seven (86%), grade eight (83%), grade nine (81%), grade ten (71%), grade eleven (72%), and grade twelve (77%).

Overall, about 9 out of 10 responding students indicated that they

enjoyed learning new things and that they had the ability to learn most things. About three-fourths of the students said that they liked most of their teachers, they could get help from most teachers, and they were encouraged to think for themselves in their school.

About half of the students expressed favorable attitudes on most of the Liking-of-School items. These items measure a general attitude of whether or not students enjoy being in school. About half of the students at each grade level indicated that schoolwork was interesting, that they liked school, that they thought school was fun, and that they liked their classes. Also about half of the students at each grade level reported that they were involved in making decisions regarding their school and what they do in their classes.

Two-thirds to three-fourths of the students felt it was a good idea to have students of different races go to the same school; however, substantial differences among schools occurred. For example, at seventh grade, 86% of the students at school T, but only 40% of the students at school Q, felt it was a good idea to have students of different races go to the same school. About half of the students at each grade level wished there were more students of other races in their school.

At each grade level, about two-thirds of the students said they have some friends of other races in their school, two-thirds would like to have more friends of other races, and more than half consider getting to know students of other races as part of their education. About eight of ten students did not feel the presence of different races in the same school hindered learning, while about 15% said they were afraid of students of other races.

This brief history of the Student Opinion Questionnaire and description of the May 1972 results is not intended to be comprehensive. If the reader would like more information, he should contact the Minneapolis Public Schools' Research and Evaluation Department.

Table 2

Response of Seventh Grade Students by School to Items on the Student Opinion Questionnaire May 1972

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K N291	L N84	M N296	N N229	O N313	P N296	Q N344	R N186	S N139	T N300	U N143	V N319	W N205	X N204	Y N134	Z N355	Total N3838
Factor: Liking of School																	
Schoolwork is interesting	55%	65%	65%	65%	53%	56%	53%	57%	75%	70%	57%	61%	62%	58%	70%	60%	60%
I don't like my classes	29	30	25	26	21	30	27	26	27	23	29	28	23	28	28	19	26
I like school	54	61	60	60	57	49	54	57	61	67	60	56	63	58	64	60	58
I hate school	36	33	32	27	30	36	37	36	32	23	38	33	35	30	25	24	29
I find my teachers to be fun and exciting	35	46	36	58	45	42	36	46	58	40	46	43	47	40	43	32	42
I like most of my teachers	69	73	77	83	79	75	75	78	82	80	75	74	74	79	73	74	76
My classes are boring	57	46	52	44	51	53	53	53	45	42	51	52	44	53	48	48	50
I think school is fun	45	52	50	63	53	49	48	48	62	57	50	51	51	51	54	50	52
I don't like school work	55	36	56	37	54	56	55	49	39	41	42	52	48	54	45	51	46
I like my classes	54	59	59	67	62	57	57	56	67	65	54	58	59	63	66	63	60
I don't look forward to going to school	49	39	59	40	48	49	51	42	34	46	32	46	40	51	38	50	46
Factor: Interest in Learning																	
I really don't care whether I learn anything or not	6	7	6	8	6	10	8	6	11	8	10	6	7	4	7	6	7
I do not like to stay out of school	50	54	55	49	53	51	54	54	58	55	56	47	57	51	54	56	49
I enjoy learning new things	85	98	91	94	92	90	86	85	93	91	92	88	88	88	89	93	90
I don't care if I learn anything, I just want to pass	14	12	15	14	16	20	19	19	22	10	14	21	11	12	19	10	15
When I graduate or leave this school I want to continue my education	89	75	91	84	86	76	81	82	83	86	88	82	86	78	80	91	84
I would like to quit school	16	20	15	18	17	22	21	22	19	11	24	24	12	16	18	11	17
Factor: Unfair Punishment																	
I have often been punished here without cause	40	48	39	41	37	40	44	39	44	38	46	43	36	37	42	36	40
Sometimes I am blamed for someone else's activities	70	79	68	72	70	72	74	74	71	73	68	74	66	74	76	62	71
I have been punished in front of others in this school	44	48	48	40	40	38	39	46	43	44	40	49	43	47	45	46	44
I am only punished when I deserve it	57	64	56	56	62	55	55	57	58	54	62	55	54	56	59	53	56
The teachers here never yell at me	17	19	23	20	25	22	23	22	23	22	31	21	21	21	17	24	22

Table 2 Seventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Unfair Punishment (continued)																	
The teachers are always suspicious of me	38	35	40	39	33	39	36	35	34	29	41	40	33	32	31	34	36
Factor: Self Concept																	
I am not very good in school work	30	32	24	31	39	40	28	31	33	29	29	37	30	35	37	24	32
I have the ability to learn most things	91	90	90	90	90	85	89	79	89	91	85	91	88	92	87	91	89
I see myself as a successful student	73	62	75	73	62	69	79	63	74	76	75	69	81	69	71	79	72
Learning things in school comes easy to me	54	53	60	53	52	55	64	51	56	57	59	57	54	53	53	59	56
There are a lot of things I don't understand no matter how hard I study	60	63	63	70	65	63	63	64	65	56	65	66	64	64	61	63	63
Factor: Friendly Atmosphere																	
I have some good friends here in school	97	98	95	93	96	96	95	90	96	95	97	95	96	95	95	97	95
A lot of students here are stuck up	62	59	74	73	72	66	75	78	56	71	62	66	70	67	64	69	69
Students here are not willing to help me	29	18	31	29	24	24	32	41	30	24	26	32	26	24	28	31	28
People in this school try to make me feel important	33	42	28	37	30	32	34	31	43	34	35	32	34	25	39	23	35
Most students in this school are friendly	71	83	73	61	74	66	77	59	75	74	72	75	77	73	72	76	72
Factor: Involvement in Decision Making																	
My teacher never asks me to help plan what our class does	60	56	59	55	56	60	65	47	54	46	58	57	58	67	42	46	56
I help to make decisions in my classes	44	45	51	49	48	47	41	44	45	54	42	47	55	41	48	51	47
Many times students are given a chance to decide what the class does	42	51	50	69	52	47	43	50	53	57	55	58	57	43	62	50	52
Sometimes I help decide what our class does	36	31	39	57	46	62	32	36	38	46	38	44	47	35	57	50	44
I am never involved in making decisions about my school or class	41	44	44	42	41	45	50	50	48	38	54	46	37	47	31	36	43
Factor: Class Discussions																	
I enjoy being in class discussions	66	71	67	62	71	57	66	60	62	71	62	69	61	74	64	74	67
The lectures and class discussions by my teachers are clear and worthwhile	47	56	59	57	51	66	54	58	69	56	48	57	59	52	50	59	56
I don't understand my class discussions	22	24	13	23	23	24	22	25	25	18	30	23	22	27	25	13	22
I don't find class discussions fun or exciting	51	36	40	48	42	53	46	53	43	34	54	50	46	46	47	33	45

Table 2 Seventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Positive Reinforcement																	
I am praised when I do good work	54	65	58	58	50	55	55	58	66	56	66	58	54	50	62	48	56
I do a lot of good work that goes unnoticed	52	42	43	54	48	52	55	43	49	47	50	52	46	45	48	45	49
I am rarely told when I do good work	58	53	50	60	58	58	59	58	60	51	61	58	58	51	55	50	56
My teachers praise me when I complete my work	23	21	30	35	25	27	27	40	46	31	34	35	28	21	31	23	29
I am always told about my bad work and not my good work	52	47	47	47	46	50	46	47	38	38	48	49	41	46	37	39	45
Factor: Curriculum Relevance																	
School doesn't teach the more important things in life	42	39	37	47	37	48	43	50	39	43	53	46	32	45	41	40	42
This school teaches me the things I want to learn	50	41	50	53	56	48	54	45	55	47	47	52	53	46	46	50	50
I think I am learning a lot of things that will help me earn a living when I get older	78	76	68	79	75	72	72	63	81	72	69	71	75	66	81	67	72
My school activities don't help me in anything that I do outside of school	27	27	35	34	32	34	36	32	27	27	52	36	33	27	38	32	33
Most school work will be useful to me when I get out of school	80	83	71	84	75	77	75	74	81	72	76	74	76	71	78	73	75
Factor: Fear of Asking Questions																	
I am afraid that my teacher will call on me	25	29	20	32	25	32	35	36	23	26	24	33	28	24	31	26	28
I have a difficult time speaking up in front of the class	44	50	43	56	46	50	54	58	45	49	50	61	52	50	54	46	50
I am not afraid to ask for help when I need it	71	74	78	81	75	77	64	82	80	72	82	71	76	72	75	73	74
I am usually afraid to ask questions	26	28	22	29	27	28	33	22	28	25	24	34	31	25	28	23	27
I go to teachers for help when I need it	67	70	76	80	76	81	67	75	80	76	82	73	78	67	78	74	75
Factor: Perception of Progress in Learning																	
I think I learned more this year than in previous years	75	76	71	66	65	67	72	70	78	65	60	72	64	76	74	69	70
I don't think I am learning much in school	18	24	20	30	23	25	18	25	26	21	33	21	24	22	23	19	22
I think I learned less this year than I did in previous years	18	24	22	26	25	24	22	28	28	26	37	27	26	19	22	24	24
I think I am learning a lot in school	75	69	71	73	66	67	74	62	81	73	59	66	71	71	76	70	70

Table 2 Seventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Racial Items																	
I would like to have more friends of other races	79	73	69	83	75	77	62	64	77	82	68	77	70	80	83	85	75
The presence of different races in the same school hinders learning	15	21	25	30	26	22	42	28	40	15	38	26	36	17	24	24	27
I have some friends of other races in this school	82	84	77	90	80	84	33	81	90	87	92	88	82	17	96	86	76
It is difficult to make friends with students of other races	17	29	34	33	42	27	39	43	27	21	27	40	44	25	23	40	33
I consider getting to know students of other races as part of my education	61	70	52	74	60	69	51	59	77	64	67	65	62	56	81	63	63
I wish there were more students of other races in this school	55	54	51	52	46	52	36	29	53	69	47	44	35	67	56	53	51
I am afraid of students of other races	9	26	15	21	20	20	20	25	21	14	19	30	23	9	21	29	20
I think it is a good idea to have students of different races go to the same school	72	71	65	85	59	68	40	50	76	86	73	68	56	68	78	78	70
Factor Y (Tentative)																	
I think my teachers understand me	56	54	58	64	60	55	53	62	60	60	55	61	65	53	61	57	58
Most of my teachers seem to like me	66	70	75	82	76	73	73	77	78	80	78	72	78	71	74	77	75
Most of my teachers are excellent	48	44	54	58	57	57	49	49	64	57	42	50	52	53	51	49	52
I find my teachers to be fun and exciting	35	46	36	58	45	42	36	46	58	40	46	44	47	40	43	32	42
I am proud to be a student in this school	75	78	72	72	67	62	77	62	74	67	62	72	64	82	68	59	69
I can get help from most teachers	83	77	83	87	85	85	77	80	80	84	76	78	82	83	85	80	82
I like most of my teachers	69	73	77	83	79	75	75	78	82	80	75	74	74	79	73	74	76
Teachers in this school do a poor job	17	28	18	24	21	26	20	28	16	19	42	23	22	18	23	23	22
My teachers really know how to teach	58	52	60	66	61	61	62	54	75	64	45	58	59	60	58	62	60
Most of my teachers are not considerate of how students feel	54	49	48	47	46	52	52	50	52	50	51	51	49	49	46	48	50
If students don't learn here, it is not the fault of the teachers	67	61	60	72	70	74	66	70	76	66	70	63	68	61	65	63	67
Teachers at this school really seem to enjoy teaching	59	66	69	70	60	65	60	61	78	65	62	66	57	62	63	56	63

Table 2 Seventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor X (Tentative)																	
I am not encouraged to look at both sides of of the question in this school	45	43	40	46	45	45	48	45	45	40	55	48	45	40	51	39	45
My teachers don't treat me like a human being	27	22	22	18	18	18	24	29	21	18	24	27	17	23	20	20	22
My teachers don't encourage me to try things on my own	32	37	26	27	30	33	38	31	32	28	36	36	25	33	30	31	31
This school does not give me a chance to develop my skills and talents	33	30	35	33	32	35	31	43	30	39	34	34	23	34	33	34	34
Nobody is really interested in my opinions about how this school should be run	55	48	53	48	51	56	52	59	50	47	62	56	55	57	47	57	54
Other Items																	
People in this school don't appreciate my efforts	35	27	29	40	33	34	33	33	37	34	41	30	31	33	46	27	33
I am encouraged to say what I really think in our class discussion	60	51	59	55	62	58	56	58	60	59	55	51	60	53	58	57	57
This school provides help when I need it	66	67	69	71	67	61	67	65	72	59	55	67	69	69	69	54	65
I am encouraged to think for myself in this school	78	76	78	77	81	74	74	79	73	75	75	79	74	77	75	74	76
I think school is a pretty lonely place	30	24	25	32	24	34	30	36	37	25	33	27	27	21	23	25	28
This school is helpful for students who are not going to college	61	75	56	61	63	60	62	49	70	55	43	62	56	68	52	57	59
My teachers encourage me to act on things I believe in	44	47	49	56	48	48	44	49	54	53	46	51	48	49	44	44	48
I enjoy learning new things	85	98	91	94	92	90	86	85	93	91	92	88	88	88	89	93	90
In at least one class I really learned something this year	96	91	95	93	95	92	93	91	89	95	92	93	91	94	90	96	93
My teachers encourage me to stick up for my own beliefs even if they disagree with me	44	43	53	61	58	53	51	55	62	60	55	50	59	48	52	50	53

Table 3

Response of Eighth Grade Students by School to Items on the Student Opinion Questionnaire May 1972

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K N320	L N85	M N293	N N218	O N310	P N326	Q N334	R N149	S N106	T N225	U N141	V N273	W N212	X N176	Y N150	Z N359	Total N3677
Factor: Liking of School																	
Schoolwork is interesting	43%	52%	42%	62%	43%	57%	46%	46%	67%	51%	72%	45%	47%	48%	70%	44%	50%
I don't like my classes	35	28	40	28	32	27	34	29	28	34	29	35	36	31	24	37	33
I like school	40	50	47	64	54	55	57	52	65	54	62	53	52	57	62	48	53
I hate school	42	38	42	26	34	32	33	45	23	33	24	37	38	32	30	33	34
I find my teachers to be fun and exciting	25	23	25	61	27	36	39	38	50	29	57	44	26	32	52	30	36
I like most of my teachers	61	65	62	81	66	76	73	67	76	65	81	70	56	77	80	66	69
My classes are boring	63	54	72	42	60	52	57	60	52	59	50	56	58	58	43	62	57
I think school is fun	38	37	33	61	41	44	56	49	55	48	63	42	42	47	55	41	46
I don't like school work	64	60	72	35	61	53	59	54	40	54	30	63	58	62	43	61	56
I like my classes	46	47	41	67	47	59	56	50	54	54	36	45	43	58	60	49	51
I don't look forward to going to school	58	55	63	33	52	38	44	48	38	52	23	48	45	51	39	58	48
Factor: Interest in Learning																	
I really don't care whether I learn anything or not	9	5	10	7	10	9	11	12	9	11	7	11	11	6	8	7	9
I do not like to stay out of school	42	52	41	52	47	45	49	41	58	46	61	41	44	44	46	45	46
I enjoy learning new things	85	94	88	95	90	90	86	84	94	90	95	86	89	91	92	86	89
I don't care if I learn anything, I just want to pass	21	13	22	17	20	16	22	29	13	18	13	21	20	18	19	16	19
When I graduate or leave this school I want to continue my education	79	65	83	85	78	83	78	71	79	83	89	77	83	78	73	85	80
I would like to quit school	23	13	21	15	14	18	17	24	25	19	13	18	17	14	22	15	18
Factor: Unfair Punishment																	
I have often been punished here without cause	43	32	43	39	37	38	38	57	40	41	47	45	59	35	28	43	42
Sometimes I am blamed for someone else's activities	76	82	75	67	77	70	70	85	74	73	67	73	74	66	65	66	72
I have been punished in front of others in this school	51	55	53	41	50	42	48	58	33	48	31	56	54	49	40	54	49
I am only punished when I deserve it	47	56	42	57	43	57	58	46	59	45	61	47	38	57	56	47	50

Table 3 Eighth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Unfair Punishment (continued)																	
The teachers here never yell at me	17	18	16	31	17	18	19	23	25	17	30	14	15	20	24	21	19
The teachers are always suspicious of me	43	40	42	38	38	34	40	42	35	39	27	37	49	33	41	39	39
Factor: Self Concept																	
I am not very good in school work	35	24	33	31	35	32	29	39	40	29	25	29	33	23	33	33	32
I have the ability to learn most things	90	93	88	89	86	88	90	86	94	87	94	88	88	94	87	92	89
I see myself as a successful student	64	77	69	78	62	69	78	66	84	71	82	71	70	72	75	69	71
Learning things in school comes easy to me	53	43	55	57	48	57	56	60	52	57	61	55	48	54	55	55	54
There are a lot of things I don't understand no matter how hard I study	65	63	70	65	70	61	68	61	60	53	64	65	71	65	69	69	66
Factor: Friendly Atmosphere																	
I have some good friends here in school	96	92	94	93	96	97	96	93	97	91	97	95	96	95	98	95	95
A lot of students here are stuck up	56	59	79	61	68	60	70	74	64	65	63	63	65	66	59	81	67
Students here are not willing to help me	25	19	35	26	30	26	29	38	28	28	33	22	21	20	27	32	28
People in this school try to make me feel important	28	28	23	36	24	32	35	32	24	25	43	33	28	29	36	21	29
Most students in this school are friendly	76	84	72	75	75	78	81	72	82	68	64	76	79	84	72	65	75
Factor: Involvement in Decision Making																	
My teacher never asks me to help plan what our class does	65	67	63	39	56	45	62	58	59	61	54	52	63	59	44	47	55
I help to make decisions in my classes	34	37	43	55	40	50	42	46	45	45	43	45	41	45	56	52	45
Many times students are given a chance to decide what the class does	38	28	39	72	49	57	53	55	54	46	63	56	41	40	68	57	51
Sometimes I help decide what our class does	29	32	35	61	44	49	43	43	37	38	50	43	34	32	54	57	43
I am never involved in making decisions about my school or class	54	41	55	37	43	37	51	42	55	49	42	36	51	40	39	41	45
Factor: Class Discussions																	
I enjoy being in class discussions	58	72	65	58	65	64	70	46	71	62	65	61	55	62	59	62	62
The lectures and class discussions by my teachers are clear and worthwhile	38	50	41	60	36	53	54	40	52	44	62	44	42	51	59	45	47
I don't understand my class discussions	25	25	21	20	23	18	24	34	22	22	23	19	23	18	19	16	22
I don't find class discussions fun or exciting	54	45	50	47	50	50	39	49	49	47	42	49	53	47	46	51	48

Table 3 Eighth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Positive Reinforcement																	
I am praised when I do good work	47	45	45	67	44	46	54	48	65	44	66	50	37	64	63	41	50
I do a lot of good work that goes unnoticed	53	47	59	49	53	45	51	57	50	51	48	48	46	46	42	59	51
I am rarely told when I do good work	62	56	57	50	59	56	52	60	52	59	52	53	62	42	48	58	56
My teachers praise me when I complete my work	20	13	18	41	18	26	31	28	39	22	46	20	16	26	28	22	25
I am always told about my bad work and not my good work	50	54	56	40	46	39	45	48	44	48	36	43	51	39	42	53	46
Factor: Curriculum Relevance																	
School doesn't teach the more important things in life	54	50	57	43	48	49	54	61	50	52	56	55	50	43	46	58	52
This school teaches me the things I want to learn	36	34	37	56	37	39	47	37	53	35	52	38	39	39	51	34	41
I think I am learning a lot of things that will help me earn a living when I get older	59	61	54	68	56	68	66	62	74	58	83	60	67	59	77	60	63
My school activities don't help me in anything that I do outside of school	36	32	43	35	33	31	37	43	46	37	37	34	35	32	39	40	37
Most school work will be useful to me when I get out of school	64	69	57	74	62	72	64	65	73	58	82	60	68	61	75	58	65
Factor: Fear of Asking Questions																	
I am afraid that my teacher will call on me	34	28	29	29	31	25	29	37	30	21	29	38	25	28	30	31	30
I have a difficult time speaking up in front of the class	59	40	47	53	52	48	52	57	38	46	50	59	47	48	58	43	50
I am not afraid to ask for help when I need it	70	71	67	81	69	75	73	77	88	76	81	66	76	67	75	69	73
I am usually afraid to ask questions	33	25	27	23	27	26	30	32	25	25	22	29	29	26	28	30	28
I go to teachers for help when I need it	63	66	65	85	65	75	69	67	80	65	83	71	74	70	70	61	69
Factor: Perception of Progress in Learning																	
I think I learned more this year than in previous years	61	59	60	65	47	61	59	61	69	55	60	54	59	61	70	52	58
I don't think I am learning much in school	30	25	34	28	28	26	31	36	27	37	27	31	29	24	21	29	29
I think I learned less this year than I did in previous years	28	30	32	27	36	28	31	35	35	30	30	28	30	24	26	34	30
I think I am learning a lot in school	56	67	53	67	55	63	61	51	65	56	71	57	57	63	57	54	60

Table 3 Eighth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item															
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Racial Items																	
I would like to have more friends of other races	73	70	64	78	61	80	60	48	82	82	71	73	62	66	79	70	70
The presence of different races in the same school hinders learning	13	19	25	23	30	19	32	41	19	17	24	24	36	23	30	27	25
I have some friends of other races in this school	80	66	54	92	68	83	44	62	91	88	88	88	78	10	94	80	72
It is difficult to make friends with students of other races	20	28	55	27	52	22	36	47	28	16	27	39	47	28	29	51	36
I consider getting to know students of other races as part of my education	60	62	50	71	45	66	50	39	78	62	73	63	51	52	68	53	58
I wish there were more students of other races in this school	54	45	50	52	35	63	46	29	60	66	61	61	33	51	48	43	48
I am afraid of students of other races	11	22	24	17	19	14	17	18	17	11	8	27	16	12	26	24	18
I think it is a good idea to have students of different races go to the same school	71	71	62	86	53	76	47	37	83	82	82	67	51	57	78	67	66
Factor Y (Tentative)																	
I think my teachers understand me	43	49	41	60	42	60	55	48	65	42	65	56	41	52	64	44	50
Most of my teachers seem to like me	60	81	69	85	70	81	74	66	84	63	80	73	64	78	86	72	73
Most of my teachers are excellent	38	33	42	54	39	52	53	47	50	37	58	46	31	43	62	39	45
I find my teachers to be fun and exciting	25	23	25	61	27	36	39	38	50	29	57	44	26	32	52	30	36
I am proud to be a student in this school	55	79	47	80	56	56	76	59	67	53	71	64	56	78	64	41	60
I can get help from most teachers	77	79	78	85	81	87	83	74	83	76	83	78	78	87	85	81	81
I like most of my teachers	61	65	62	81	66	76	73	67	76	65	81	70	56	77	80	66	69
Teachers in this school do a poor job	28	23	30	23	26	21	23	34	23	33	28	25	32	24	21	31	34
My teachers really know how to teach	46	42	44	60	50	59	57	51	54	45	68	53	42	58	60	45	52
Most of my teachers are not considerate of how students feel	56	54	60	44	56	52	53	56	58	53	44	46	65	46	50	57	53
If students don't learn here, it is not the fault of the teachers	60	61	46	65	58	64	62	56	65	55	69	59	51	62	69	55	59
Teachers at this school really seem to enjoy teaching	50	50	55	67	51	57	64	63	59	55	61	59	51	61	61	49	57

Table 3 Eighth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor X (Tentative)																	
I am not encouraged to look at both sides of the question in this school	52	35	46	39	40	43	42	55	39	37	45	41	45	40	45	47	44
My teachers don't treat me like a human being	28	20	31	14	25	15	21	35	18	21	15	23	36	21	19	25	23
My teachers don't encourage me to try things on my own	41	28	37	28	35	28	41	40	44	37	36	28	32	27	27	30	34
This school does not give me a chance to develop my skills and talents	40	26	49	32	45	34	41	43	41	48	36	37	42	36	36	45	40
Nobody is really interested in my opinions about how this school should be run	62	54	61	47	58	49	52	63	58	55	47	45	56	57	53	64	55
Other Items																	
People in this school don't appreciate my efforts	39	27	40	35	44	29	34	35	32	36	42	31	31	35	26	37	35
I am encouraged to say what I really think in our class discussion	48	60	56	59	49	64	58	61	60	62	66	60	53	53	51	63	58
This school provides help when I need it	56	70	53	66	51	62	65	47	65	43	67	55	55	70	66	46	57
I am encouraged to think for myself in this school	71	78	73	82	75	72	77	75	80	72	80	69	68	79	78	71	74
I think school is a pretty lonely place	33	33	32	27	28	29	24	36	44	33	24	30	31	20	31	31	30
This school is helpful for students who are not going to college	48	63	50	55	47	48	59	47	58	49	59	57	53	66	60	44	52
My teachers encourage me to act on things I believe in	38	45	41	59	37	49	48	57	53	47	56	45	37	37	53	47	46
I enjoy learning new things	85	94	88	93	90	90	86	84	94	90	95	86	89	91	92	86	89
In at least one class I really learned something this year	83	94	92	94	94	94	90	86	89	88	92	92	90	96	89	94	91
My teachers encourage me to stick up for my own beliefs even if they disagree with me	43	49	42	62	44	54	50	58	62	49	67	49	45	43	52	50	50

Table 4

Response of Ninth Grade Students by School to Items on the Student Opinion Questionnaire May 1972

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K N285	L N136	M N304	N N157	O N309	P N269	Q N373	R N195	S N105	T N218	U N142	V N339	W N226	X N208	Y N132	Z N392	Total N3790
Factor: Liking of School																	
Schoolwork is interesting	49%	47%	46%	58%	48%	51%	60%	48%	62%	43%	77%	44%	46%	48%	56%	42%	50%
I don't like my classes	32	31	31	30	28	21	27	33	39	26	21	37	38	36	27	38	31
I like school	59	64	58	51	61	59	63	55	66	52	60	52	52	59	58	53	57
I hate school	29	27	26	37	24	28	25	38	26	33	23	37	36	32	26	31	30
I find my teachers to be fun and exciting	38	29	38	51	28	44	41	34	58	26	58	35	28	24	58	25	36
I like most of my teachers	70	73	79	79	76	82	79	70	84	76	82	74	67	67	85	67	75
My classes are boring	60	61	61	52	57	55	44	58	43	62	32	57	58	69	44	63	54
I think school is fun	49	56	42	46	48	54	58	54	62	43	66	42	41	45	58	40	49
I don't like school work	61	52	68	51	61	51	57	59	36	62	28	62	59	55	49	58	57
I like my classes	54	58	55	54	56	57	66	54	68	55	70	51	53	47	64	52	56
I don't look forward to going to school	45	44	49	47	47	40	39	47	34	53	18	51	45	50	37	53	45
Factor: Interest in Learning																	
I really don't care whether I learn anything or not	8	5	6	11	5	7	6	11	15	9	9	11	9	7	13	8	8
I do not like to stay out of school	43	45	43	48	50	48	51	48	57	45	58	43	47	44	53	41	47
I enjoy learning new things	88	91	90	92	92	91	93	88	94	91	96	86	88	91	95	92	91
I don't care if I learn anything, I just want to pass	20	21	14	20	15	19	13	22	16	18	10	19	17	15	22	17	17
When I graduate or leave this school I want to continue my education	84	68	90	82	84	86	83	77	83	84	86	84	88	75	81	87	84
I would like to quit school	13	17	13	19	9	14	12	18	12	15	12	20	15	16	19	15	15
Factor: Unfair Punishment																	
I have often been punished here without cause	48	32	32	30	35	29	30	32	21	40	25	40	46	33	35	41	35
Sometimes I am blamed for someone else's activities	69	67	59	59	69	61	66	60	54	67	57	64	69	64	58	66	64
I have been punished in front of others in this school	46	35	45	32	48	46	45	40	23	47	25	50	52	51	38	57	45
I am only punished when I deserve it	50	58	54	64	52	63	58	55	65	47	60	53	50	51	56	43	54

Table 4 Ninth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Unfair Punishment (continued)																	
The teachers here never yell at me	22	17	23	32	21	26	20	26	36	20	23	19	19	26	27	22	23
The teachers are always suspicious of me	36	24	33	30	26	23	29	30	35	35	26	33	39	33	32	32	31
Factor: Self Concept																	
I am not very good in school work	32	30	29	28	30	34	31	32	30	27	24	33	33	32	26	26	30
I have the ability to learn most things	88	90	91	94	89	89	92	89	87	89	92	85	88	90	89	94	90
I see myself as a successful student	70	76	75	77	71	69	74	65	69	75	86	67	67	68	68	73	72
Learning things in school comes easy to me	56	52	54	58	52	51	56	54	58	61	61	51	61	51	63	56	55
There are a lot of things I don't understand no matter how hard I study	63	70	70	63	66	66	66	59	70	58	52	63	63	57	63	63	63
Factor: Friendly Atmosphere																	
I have some good friends here in school	95	97	95	94	95	96	96	92	94	92	91	94	95	94	93	93	94
A lot of students here are stuck up	63	50	74	58	68	56	56	59	49	69	54	61	62	67	49	70	62
Students here are not willing to help me	26	17	20	29	21	19	19	24	25	30	26	24	25	20	22	25	23
People in this school try to make me feel important	25	36	29	38	24	33	39	29	29	25	38	27	25	24	36	23	29
Most students in this school are friendly	77	86	80	65	81	82	85	81	86	73	73	76	75	83	85	77	79
Factor: Involvement in Decision Making																	
My teacher never asks me to help plan what our class does	53	75	52	51	56	58	66	50	48	50	52	49	54	69	52	53	56
I help to make decisions in my classes	41	41	47	40	46	47	38	42	46	45	51	48	45	35	51	43	44
Many times students are given a chance to decide what the class does	49	41	51	56	47	49	37	53	59	46	62	53	59	34	54	46	49
Sometimes I help decide what our class does	41	35	47	49	47	39	33	43	42	38	50	45	46	33	48	48	43
I am never involved in making decisions about my school or class	44	42	40	38	40	41	51	46	45	49	33	38	38	52	30	45	43
Factor: Class Discussions																	
I enjoy being in class discussions	58	70	63	50	61	58	60	48	55	62	72	57	53	69	66	59	60
The lectures and class discussions by my teachers are clear and worthwhile	51	46	44	50	41	48	59	35	60	44	69	40	43	37	56	38	47
I don't understand my class discussions	21	20	14	22	23	25	17	34	15	22	14	21	21	25	16	19	21
I don't find class discussions fun or exciting	50	38	51	58	48	47	46	61	53	48	27	46	50	49	39	50	48

Table 4 Ninth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Positive Reinforcement																	
I am praised when I do good work	48	48	54	56	50	52	53	49	64	44	62	46	42	41	55	40	49
I do a lot of good work that goes unnoticed	53	49	49	42	48	38	49	46	40	46	42	49	49	47	36	54	47
I am rarely told when I do good work	49	54	44	56	48	50	56	54	42	49	52	54	58	64	55	59	53
My teachers praise me when I complete my work	22	23	27	38	22	29	20	24	49	24	33	25	18	20	33	20	25
I am always told about my bad work and not my good work	42	42	36	43	40	35	42	45	34	41	34	39	49	42	33	50	41
Factor: Curriculum Relevance																	
School doesn't teach the more important things in life	45	51	49	57	51	47	36	56	50	54	39	50	50	46	54	58	48
This school teaches me the things I want to learn	43	45	44	40	32	41	48	32	39	27	53	39	38	41	43	32	39
I think I am learning a lot of things that will help me earn a living when I get older	66	65	60	68	60	62	67	57	55	51	79	57	68	54	59	51	61
My school activities don't help me in anything that I do outside of school	36	31	37	45	36	34	26	40	38	41	31	38	33	31	36	40	36
Most school work will be useful to me when I get out of school	61	68	63	69	63	69	68	60	67	52	81	58	67	58	66	52	63
Factor: Fear of Asking Questions																	
I am afraid that my teacher will call on me	27	34	25	25	29	28	40	34	32	24	23	33	28	24	23	28	29
I have a difficult time speaking up in front of the class	54	54	48	53	54	58	62	55	54	44	51	54	52	49	44	53	53
I am not afraid to ask for help when I need it	70	65	70	78	75	70	63	72	83	75	83	70	75	70	81	67	71
I am usually afraid to ask questions	33	35	26	20	25	31	40	35	26	20	21	34	32	27	26	29	30
I go to teachers for help when I need it	71	60	68	79	67	72	60	69	83	60	79	67	64	55	66	62	66
Factor: Perception of Progress in Learning																	
I think I learned more this year than in previous years	66	54	63	64	54	62	71	57	53	54	73	52	63	57	68	58	61
I don't think I am learning much in school	32	28	24	37	28	32	21	40	36	34	23	36	36	31	36	36	31
I think I learned less this year than I did in previous years	25	29	26	34	30	28	19	38	39	34	28	32	31	33	28	34	30
I think I am learning a lot in school	59	65	64	57	60	55	74	53	54	52	78	54	56	53	56	54	57

Table 4 Ninth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor: Racial Items																	
I would like to have more friends of other races	66	76	58	71	66	83	64	53	82	72	57	66	70	81	84	70	69
The presence of different races in the same school hinders learning	19	14	22	20	28	12	28	31	17	12	21	22	24	14	13	24	21
I have some friends of other races in this school	79	56	52	88	67	72	11	62	94	82	80	85	83	22	90	84	67
It is difficult to make friends with students of other races	25	31	48	32	52	20	32	48	18	22	25	44	42	28	19	51	37
I consider getting to know students of other races as part of my education	54	57	41	67	51	62	52	48	72	55	62	59	53	59	73	57	56
I wish there were more students of other races in this school	55	57	41	43	34	66	50	37	34	49	43	36	38	71	58	41	47
I am afraid of students of other races	12	20	15	18	15	12	12	14	11	12	7	26	13	13	6	23	15
I think it is a good idea to have students of different races go to the same school	69	77	57	81	57	82	53	48	87	71	80	67	67	75	88	72	68
Factor Y (Tentative)																	
I think my teachers understand me	45	43	50	58	54	61	58	58	66	51	66	51	45	45	66	39	52
Most of my teachers seem to like me	70	74	81	83	78	86	81	73	84	79	83	76	71	72	85	73	78
Most of my teachers are excellent	44	37	49	54	49	49	58	33	56	41	61	42	35	42	63	34	46
I find my teachers to be fun and exciting	38	29	38	51	28	44	41	34	58	26	58	35	28	24	58	25	36
I am proud to be a student in this school	57	82	60	59	55	62	78	45	72	41	75	58	47	69	56	40	58
I can get help from most teachers	81	84	86	83	83	87	87	83	87	79	84	78	72	78	87	75	82
I like most of my teachers	70	73	79	79	76	82	79	70	84	76	82	74	67	67	85	67	75
Teachers in this school do a poor job	23	22	17	26	20	20	13	35	17	31	14	25	29	28	22	34	24
My teachers really know how to teach	50	48	55	62	55	58	65	48	66	46	71	52	44	45	62	41	53
Most of my teachers are not considerate of how students feel	53	44	42	46	41	44	46	54	48	52	35	49	57	51	40	61	49
If students don't learn here, it is not the fault of the teachers	57	53	54	72	63	68	67	58	73	58	73	51	56	48	65	51	59
Teachers at this school really seem to enjoy teaching	57	65	67	75	57	63	70	61	71	60	71	60	57	53	60	46	61

Table 4 Ninth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item																
	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total
Factor X (Tentative)																	
I am not encouraged to look at both sides of the question in this school	42	37	36	42	39	43	29	49	31	42	42	40	39	46	41	40	40
My teachers don't treat me like a human being	23	19	16	15	14	11	11	21	15	20	8	17	22	23	15	31	18
My teachers don't encourage me to try things on my own	35	22	27	27	25	27	24	35	29	30	22	31	34	37	33	38	30
This school does not give me a chance to develop my skills and talents	39	30	44	39	36	36	30	42	34	44	26	38	40	40	34	51	39
Nobody is really interested in my opinions about how this school should be run	61	52	55	48	50	43	53	66	46	53	36	45	61	59	42	60	53
Other Items																	
Pepple in this school don't appreciate my efforts	41	30	35	37	29	32	22	32	38	31	25	32	38	32	31	41	33
I am encouraged to say what I really think in our class discussions	51	59	58	59	57	57	64	59	56	63	73	55	55	52	64	48	57
This school provides help when I need it	51	68	56	63	54	58	68	52	60	47	66	54	46	59	51	42	55
I am encouraged to think for myself in this school	69	75	73	81	77	77	80	75	77	77	81	76	74	64	76	62	74
I think school is a pretty lonely place	31	26	22	33	25	30	21	33	31	26	24	29	25	24	28	30	27
This school is helpful for students who are not going to college	53	66	47	56	53	57	59	50	50	47	46	54	55	52	43	43	52
My teachers encourage me to act on things I believe in	45	45	47	47	40	51	52	48	63	43	64	48	46	32	57	41	47
I enjoy learning new things	88	93	90	92	92	91	93	88	94	91	96	86	88	91	95	92	92
In at least one class I really learned something this year	94	95	94	90	95	94	95	89	88	91	92	92	93	92	9	92	94
My teachers encourage me to stick up for my own beliefs even if they disagree with me	47	53	55	57	49	55	60	62	60	43	64	53	52	41	58	43	52

Table 5

Response of Tenth Grade Students by School to Items on the Student Opinion Questionnaire May 1972

	School, Sample Size, and Percentage Who Agreed with Each Item										
	A N499	B N330	C N461	D N194	E N304	F N279	G N411	H N423	I N131	J N377	Total N3409
Factor: Liking of School											
Schoolwork is interesting	42%	59%	47%	57%	59%	53%	41%	42%	66%	44%	49%
I don't like my classes	30	26	31	23	20	21	35	37	20	34	29
I like school	60	57	63	68	71	67	57	55	68	60	61
I hate school	25	35	28	25	22	19	28	29	10	25	26
I find my teachers to be fun and exciting	29	47	31	47	53	40	20	22	46	27	33
I like most of my teachers	73	77	74	83	86	84	73	71	87	74	77
My classes are boring	62	48	60	46	44	54	69	69	34	63	58
I think school is fun	52	48	52	61	65	55	47	45	66	46	52
I don't like school work	62	50	60	46	48	59	63	70	40	60	58
I like my classes	54	63	57	71	74	67	53	51	79	52	59
I don't look forward to going to school	46	40	47	38	38	46	49	56	31	51	46
Factor: Interest in Learning											
I really don't care whether I learn anything or not	8	14	6	9	10	3	6	7	7	6	8
I do not like to stay out of school	53	48	51	57	55	54	43	45	56	44	50
I enjoy learning new things	93	86	92	94	94	95	92	94	96	94	93
I don't care if I learn anything, I just want to pass	16	25	20	14	19	15	16	15	10	15	17
When I graduate or leave this school I want to continue my education	71	60	65	78	64	77	67	80	53	80	70
I would like to quit school	16	25	15	22	14	15	13	14	11	12	16
Factor: Unfair Punishment											
I have often been punished here without cause	20	22	24	15	16	21	21	28	19	22	21
Sometimes I am blamed for someone else's activities	47	45	55	39	41	49	52	56	51	40	48
I have been punished in front of others in this school	31	18	28	15	18	35	35	45	26	30	30
I am only punished when I deserve it	62	62	64	71	69	61	64	59	77	63	64
The teachers here never yell at me	34	45	26	43	45	34	30	23	35	30	33

Table 5 Tenth Grade (continued)

	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Unfair Punishment (continued)											
The teachers are always suspicious of me	27	27	31	24	19	22	30	32	26	22	27
Factor: Self Concept											
I am not very good in school work	33	30	31	27	27	27	32	24	28	22	28
I have the ability to learn most things	88	85	91	90	90	92	90	94	94	94	91
I see myself as a successful student	69	71	70	74	75	76	67	73	87	76	72
Learning things in school comes easy to me	51	58	57	63	61	52	49	58	60	56	56
There are a lot of things I don't understand no matter how hard I study	65	62	66	59	68	59	68	59	66	55	63
Factor: Friendly Atmosphere											
I have some good friends here in school	96	90	97	89	94	93	96	95	94	92	94
A lot of students here are stuck up	62	53	68	59	56	67	58	70	44	59	61
Students here are not willing to help me	18	27	22	25	18	23	22	18	16	18	21
People in this school try to make me feel important	27	30	29	36	36	24	23	20	46	18	27
Most students in this school are friendly	79	77	75	75	81	78	77	76	89	82	78
Factor: Involvement in Decision Making											
My teacher never asks me to help plan what our class does	60	58	62	41	49	54	69	72	43	61	60
I help to make decisions in my classes	43	37	40	55	55	42	32	34	48	39	41
Many times students are given a chance to decide what the class does	43	53	45	71	67	52	42	33	73	41	48
Sometimes I help decide what our class does	45	39	41	61	56	48	32	34	60	46	44
I am never involved in making decisions about my school or class	43	53	48	34	36	44	50	52	31	40	45
Factor: Class Discussions											
I enjoy being in class discussions	61	54	66	64	61	71	52	66	51	65	62
The lectures and class discussions by my teachers are clear and worthwhile	37	48	43	56	55	50	41	41	60	47	46
I don't understand my class discussions	21	44	18	19	21	18	21	15	17	11	20
I don't find class discussions fun or exciting	47	50	46	38	39	37	51	48	45	42	45

Table 5 Tenth Grade (continued)

	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Positive Reinforcement											
I am praised when I do good work	45	49	45	52	58	49	47	43	57	42	47
I do a lot of good work that goes unnoticed	43	44	45	43	37	52	42	46	38	43	44
I am rarely told when I do good work	52	50	54	44	39	51	51	52	43	52	50
My teachers praise me when I complete my work	18	28	17	32	39	23	18	15	36	13	22
I am always told about my bad work and not my good work	37	36	40	26	28	37	41	43	32	34	37
Factor: Curriculum Relevance											
School doesn't [illegible] important things	53	57	54	50	49	54	56	61	37	55	54
This school teaches [illegible] things I want to learn	44	44	42	52	53	45	37	34	81	34	43
I think I am learning a lot of things that will help me earn a living when I get older	57	57	52	55	62	51	52	45	95	48	55
My school activities don't help me in anything that I do outside of school	37	37	39	33	33	34	37	40	19	38	36
Most school work will be useful to me when I get out of school	48	58	50	54	60	53	50	41	92	46	52
Factor: Fear of Asking Questions											
I am afraid that my teacher will call on me	35	32	28	29	23	31	38	26	23	28	30
I have a difficult time speaking up in front of the class	61	58	49	47	46	56	58	49	55	47	53
I am not afraid to ask for help when I need it	70	75	70	71	76	59	71	74	84	71	71
I am usually afraid to ask questions	30	30	29	26	25	33	36	27	23	27	29
I go to teachers for help when I need it	63	68	64	74	77	60	64	65	80	66	67
Factor: Perception of Progress in Learning											
I think I learned more this year than in previous years	52	50	44	58	51	60	45	55	84	54	53
I don't think I am learning much in school	34	35	37	38	30	30	37	35	11	28	33
I think I learned less this year than I did in previous years	32	40	42	31	35	29	40	27	13	28	47
I think I am learning a lot in school	49	54	50	57	60	57	46	53	88	58	54

Table 5 Tenth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Racial Items											
I would like to have more friends of other races	64	73	51	76	71	79	60	67	66	71	66
The presence of different races in the same school hinders learning	17	21	34	17	12	11	18	18	16	16	19
I have some friends of other races in this school	81	81	17	84	90	82	74	37	84	78	67
It is difficult to make friends with students of other races	37	33	39	40	33	34	42	34	35	48	38
I consider getting to know students of other races as part of my education	56	57	44	67	61	57	42	47	64	55	53
I wish there were more students of other races in this school	36	38	40	39	43	54	35	55	44	46	42
I am afraid of students of other races	14	12	14	16	16	14	12	7	12	13	13
I think it is a good idea to have students of different races go to the same school	66	77	46	88	84	80	65	64	77	78	70
Factor Y (Tentative)											
I think my teachers understand me	48	54	50	55	69	50	44	45	61	47	51
Most of my teachers seem to like me	83	82	81	83	91	82	81	82	86	85	83
Most of my teachers are excellent	40	50	38	51	58	41	38	41	68	42	44
I find my teachers to be fun and exciting	29	47	31	47	53	40	20	22	45	27	34
I am proud to be a student in this school	79	71	75	80	84	75	71	71	92	74	76
I can get help from most teachers	82	81	80	80	90	79	82	83	89	81	82
I like most of my teachers	73	77	74	83	86	84	72	71	87	74	76
Teachers in this school do a poor job	24	24	30	21	14	20	26	29	5	24	24
My teachers really know how to teach	41	52	44	56	69	53	42	45	66	46	49
Most of my teachers are not considerate of how students feel	49	46	51	38	28	40	51	45	32	45	44
If students don't learn here, it is not the fault of the teachers	53	59	50	55	68	52	55	46	76	49	54
Teachers at this school really seem to enjoy teaching	57	54	59	63	79	63	53	62	83	56	61

Table 5 Tenth Grade (continued)

Factor and Item	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor X (Tentative)											
I am not encouraged to look at both sides of the question in this school	39	41	40	32	29	40	40	41	32	31	37
My teachers don't treat me like a human being	18	14	17	14	8	18	13	18	10	15	15
My teachers don't encourage me to try things on my own	28	31	34	19	22	39	34	39	16	35	31
This school does not give me a chance to develop my skills and talents	34	38	41	33	23	41	39	44	9	39	36
Nobody is really interested in my opinions about how this school should be run	49	52	57	38	37	41	51	53	35	45	48
Other Items											
People in this school don't appreciate my efforts	33	33	36	38	25	30	35	38	25	34	33
I am encouraged to say what I really think in our class discussion	60	57	59	66	76	56	50	53	61	63	59
This school provides help when I need it	59	55	56	57	74	52	52	55	82	50	57
I am encouraged to think for myself in this school	78	77	71	81	87	73	70	66	83	74	75
I think school is a pretty lonely place	23	37	23	31	28	25	24	20	20	20	25
This school is helpful for students who are not going to college	69	58	61	69	74	58	67	55	93	55	64
My teachers encourage me to act on things I believe in	47	50	44	60	61	47	40	30	67	45	46
I enjoy learning new things	93	86	93	94	94	95	92	94	96	94	93
In at least one class I really learned something this year	93	91	91	90	94	92	92	94	97	94	93
My teachers encourage me to stick up for my own beliefs even if they disagree with me	56	51	53	61	73	50	47	39	65	51	53

Table 6

Response of Eleventh Grade Students by School to Items on the Student Opinion Questionnaire May 1972

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A N513	B N252	C N449	D N154	E N210	F N307	G N298	H N348	I N102	J N428	Total N3061
Factor: Liking of School											
Schoolwork is interesting	40%	52%	45%	56%	61%	54%	41%	40%	51%	45%	47%
I don't like my classes	35	25	31	29	17	26	32	32	40	33	30
I like school	56	57	59	55	73	66	60	53	63	55	59
I hate school	30	29	31	29	20	23	29	28	25	24	27
I find my teachers to be fun and exciting	27	45	25	51	54	39	25	22	34	25	32
I like most of my teachers	76	81	75	85	87	84	76	76	74	77	79
My classes are boring	64	48	62	48	41	59	65	70	51	67	60
I think school is fun	45	48	47	49	68	52	51	39	52	39	47
I don't like school work	64	50	63	48	47	56	62	72	59	63	60
I like my classes	55	63	55	64	73	63	56	52	56	51	57
I don't look forward to going to school	55	42	49	49	28	45	45	57	35	58	49
Factor: Interest in Learning											
I really don't care whether I learn anything or not	9	8	6	12	8	7	9	5	8	5	7
I do not like to stay out of school	47	51	48	41	62	50	44	43	49	41	47
I enjoy learning new things	94	95	95	98	96	96	93	98	93	96	95
I don't care if I learn anything, I just want to pass	19	20	15	12	15	15	20	15	19	14	16
When I graduate or leave this school I want to continue my education	70	67	69	75	69	76	70	81	58	82	73
I would like to quit school	15	22	13	22	14	15	10	12	17	14	15
Factor: Unfair Punishment											
I have often been punished here without cause	35	27	23	29	15	17	21	26	31	23	25
Sometimes I am blamed for someone else's activities	48	44	36	25	38	37	47	52	57	42	46
I have been punished in front of others in this school	32	25	32	14	20	26	35	40	48	33	31
I am only punished when I deserve it	62	63	64	72	71	72	64	65	52	65	65
The teachers here never yell at me	35	37	27	52	50	43	23	29	27	39	35

Table 6 Eleventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Unfair Punishment (continued)											
The teachers are always suspicious of me	25	27	28	15	13	20	22	22	32	23	23
Factor: Self Concept											
I am not very good in school work	32	28	29	19	25	29	33	21	34	25	28
I have the ability to learn most things	91	89	92	89	93	91	89	94	92	94	92
I see myself as a successful student	72	72	72	76	80	70	71	78	69	72	73
Learning things in school comes easy to me	50	56	56	67	71	61	48	59	54	59	57
There are a lot of things I don't understand no matter how hard I study	65	60	65	49	59	59	72	58	71	59	62
Factor: Friendly Atmosphere											
I have some good friends here in school	94	90	97	88	94	91	97	98	98	94	94
A lot of students here are stuck up	69	47	66	58	65	60	57	77	53	62	63
Students here are not willing to help me	22	31	21	24	21	20	15	20	16	21	21
People in this school try to make me feel important	19	31	24	31	35	27	22	19	33	16	24
Most students in this school are friendly	75	75	73	68	71	77	76	68	83	80	75
Factor: Involvement in Decision Making											
My teacher never asks me to help plan what our class does	61	44	63	32	48	52	67	68	43	74	59
I help to make decisions in my classes	38	50	38	55	60	43	40	42	34	28	41
Many times students are given a chance to decide what the class does	47	64	44	66	69	51	41	39	58	24	46
Sometimes I help decide what our class does	44	51	41	69	58	50	38	34	48	30	43
I am never involved in making decisions about my school or class	45	42	52	31	29	41	39	47	44	56	45
Factor: Class Discussions											
I enjoy being in class discussions	60	60	55	66	70	63	60	67	52	63	62
The lectures and class discussions by my teachers are clear and worthwhile	35	53	41	56	59	44	41	42	40	38	43
I don't understand my class discussions	21	19	21	14	14	20	21	14	36	17	19
I don't find class discussions fun or exciting	44	43	53	37	31	46	46	43	50	50	45

Table 6 Eleventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Positive Reinforcement											
I am praised when I do good work	44	48	48	63	54	56	51	52	53	40	49
I do a lot of good work that goes unnoticed	50	41	49	37	36	38	47	44	44	40	44
I am rarely told when I do good work	57	47	57	33	39	45	49	45	50	59	50
My teachers praise me when I complete my work	16	33	16	41	35	29	20	17	34	15	22
I am always told about my bad work and not my good work	41	32	39	17	25	21	35	34	42	37	34
Factor: Curriculum Relevance											
School doesn't teach the more important things in life	63	56	62	50	51	60	59	64	64	60	60
This school teaches me the things I want to learn	38	45	34	49	59	36	34	38	54	38	40
I think I am learning a lot of things that will help me earn a living when I get older	50	53	47	49	60	50	51	45	78	47	50
My school activities don't help me in anything that I do outside of school	38	40	42	34	30	39	38	36	30	41	38
Most school work will be useful to me when I get out of school	45	54	44	55	59	45	50	41	74	48	48
Factor: Fear of Asking Questions											
I am afraid that my teacher will call on me	33	22	30	14	21	29	29	23	31	28	27
I have a difficult time speaking up in front of the class	56	47	53	39	43	58	58	48	58	44	51
I am not afraid to ask for help when I need it	71	78	70	83	79	66	72	72	66	69	72
I am usually afraid to as questions	32	22	29	17	20	33	26	26	46	30	28
I go to teachers for help when I need it	57	64	64	70	75	62	64	63	62	59	63
Factor: Perception of Progress in Learning											
I think I learned more this year than in previous years	49	47	40	56	52	53	50	46	57	46	48
I don't think I am learning much in school	40	42	44	43	32	41	36	39	24	39	39
I think I learned less this year than I did in previous years	36	38	44	32	41	34	34	31	27	32	36
I think I am learning a lot in school	48	45	38	51	60	50	43	49	58	48	47

Table 6 Eleventh Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Racial Items											
I would like to have more friends of other races	56	69	55	75	67	71	64	80	62	71	66
The presence of different races in the same school hinders learning	19	18	31	16	12	16	11	12	19	10	17
I have some friends of other races in this school	73	88	15	88	87	79	88	16	83	84	65
It is difficult to make friends with students of other races	40	26	44	43	41	44	31	29	35	48	39
I consider getting to know students of other races as part of my education	49	66	45	65	64	64	51	64	66	60	58
I wish there were more students of other races in this school	36	41	44	44	34	52	38	73	44	47	46
I am afraid of students of other races	7	9	11	13	18	17	9	11	10	13	11
I think it is a good idea to have students of different races go to the same school	63	82	49	87	81	73	73	78	78	82	72
Factor Y (Tentative)											
I think my teachers understand me	44	52	45	56	60	54	51	46	50	46	49
Most of my teachers seem to like me	85	88	84	88	89	88	83	87	79	81	85
Most of my teachers are excellent	33	48	31	46	55	39	39	35	41	37	38
I find my teachers to be fun and exciting	27	45	25	51	54	39	25	22	34	25	32
I am proud to be a student in this school	72	68	65	75	80	71	73	67	79	60	69
I can get help from most teachers	81	83	80	85	84	82	81	84	75	84	82
I like most of my teachers	76	81	75	85	87	84	74	76	74	77	78
Teachers in this school do a poor job	31	25	41	26	21	30	27	28	21	29	30
My teachers really know how to teach	42	49	35	53	57	47	41	41	38	43	43
Most of my teachers are not considerate of how students feel	48	48	53	25	28	41	47	45	55	47	45
If students don't learn here, it is not the fault of the teachers	48	57	44	57	68	50	54	46	56	44	50
Teachers at this school really seem to enjoy teaching	57	62	48	62	75	63	58	61	66	54	59

Table 6 Eleventh Grade (continued)

Factor and Item	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor X (Tentative)											
I am not encouraged to look at both sides of the question in this school	40	38	43	31	27	37	39	35	41	39	38
My teachers don't treat me like a human being	17	13	19	17	6	14	13	15	13	18	15
My teachers don't encourage me to try things on my own	35	27	36	20	17	31	32	33	34	39	45
This school does not give me a chance to develop my skills and talents	38	37	48	32	28	40	38	45	21	41	39
Nobody is really interested in my opinions about how this school should be run	54	42	61	33	40	42	47	50	44	54	49
Other Items											
People in this school don't appreciate my efforts	37	35	39	36	31	26	34	39	29	37	35
I am encouraged to say what I really think in our class discussion	58	69	56	73	76	58	57	56	56	51	59
This school provides help when I need it	50	49	47	64	69	50	50	49	53	46	51
I am encouraged to think for myself in this school	69	81	64	83	88	72	77	60	84	62	71
I think school is a pretty lonely place	26	32	27	37	25	30	25	23	36	28	28
This school is helpful for students who are not going to college	66	55	57	78	73	67	59	57	90	56	63
My teachers encourage me to act on things I believe in	45	56	39	65	68	45	45	40	48	37	46
I enjoy learning new things	94	95	95	98	96	96	93	98	93	96	95
In at least one class I really learned something this year	94	88	91	90	91	91	93	94	93	93	92
My teachers encourage me to stick up for my own beliefs even if they disagree with me	51	64	52	67	68	51	51	46	61	41	53

Table 7

Response of Twelfth Grade Students by School to Items on the Student Opinion Questionnaire May 1972

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A N589	B N242	C N414	D N89	E N108	F N241	G N326	H N364	I N111	J N353	Total N2837
Factor: Liking of School											
Schoolwork is interesting	39%	51%	37%	55%	77%	55%	42%	46%	44%	47%	45%
I don't like my classes	36	25	38	36	16	28	33	30	35	28	32
I like school	57	61	49	52	76	72	58	57	70	57	59
I hate school	27	27	36	29	12	17	32	24	22	20	26
I find my teachers to be fun and exciting	28	48	25	55	54	41	37	22	40	27	33
I like most of my teachers	78	76	74	87	97	83	82	84	69	86	82
My classes are boring	67	48	74	47	33	54	64	69	53	64	62
I think school is fun	44	54	39	42	66	56	48	42	67	35	46
I don't like school work	67	47	69	45	45	56	61	64	51	64	61
I like my classes	56	66	49	62	79	65	56	56	58	56	58
I don't look forward to going to school	52	36	60	42	34	38	52	51	40	55	49
Factor: Interest in Learning											
I really don't care whether I learn anything or not	11	11	7	9	1	4	9	5	8	3	7
I do not like to stay out of school	46	45	36	52	60	52	42	36	48	42	44
I enjoy learning new things	95	93	96	96	98	97	95	97	94	99	92
I don't care if I learn anything, I just want to pass	22	20	20	18	8	10	19	13	18	11	17
When I graduate or leave this school I want to continue my education	75	73	72	84	79	92	71	88	60	87	78
I would like to quit school	14	14	18	17	7	12	12	10	9	7	12
Factor: Unfair Punishment											
I have often been punished here without cause	15	23	22	15	9	19	15	23	24	14	18
Sometimes I am blamed for someone else's activities	38	41	46	23	24	35	35	35	57	32	37
I have been punished in front of others in this school	26	24	30	14	13	31	32	35	39	32	29
I am only punished when I deserve it	69	58	64	64	81	70	72	64	48	69	67
The teachers here never yell at me	42	51	38	64	62	40	34	33	27	50	42

Table 7 Twelfth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Unfair Punishment (continued)											
The teachers are always suspicious of me	21	22	27	25	12	18	17	16	30	11	19
Factor: Self Concept											
I am not very good in school work	25	21	24	24	24	17	29	21	29	22	23
I have the ability to learn most things	92	92	94	88	97	93	92	96	91	96	93
I see myself as a successful student	72	76	74	79	75	78	68	81	76	74	75
Learning things in school comes easy to me	62	66	64	66	71	70	58	66	68	62	64
There are a lot of things I don't understand no matter how hard I study	59	54	63	65	50	51	63	52	66	48	57
Factor: Friendly Atmosphere											
I have some good friends here in school	93	87	93	84	95	95	94	95	92	94	93
A lot of students here are stuck up	72	51	71	57	47	58	71	76	57	61	66
Students here are not willing to help me	23	30	27	37	14	26	27	21	10	18	24
People in this school try to make me feel important	16	31	15	26	42	26	20	16	32	18	22
Most students in this school are friendly	71	76	71	74	79	78	67	66	89	78	73
Factor: Involvement in Decision Making											
My teacher never asks me to help plan what our class does	61	45	61	37	36	46	55	57	54	64	56
I help to make decisions in my classes	37	41	37	53	58	47	47	42	62	41	43
Many times students are given a chance to decide what our class does	40	64	42	73	65	58	47	50	63	37	48
Sometimes I help decide what our class does	42	54	42	61	64	58	46	45	49	41	47
I am never involved in making decisions about my school or class	45	40	49	33	29	33	40	44	31	45	42
Factor: Class Discussions											
I enjoy being in class discussions	58	54	63	67	75	77	63	68	65	72	65
The lectures and class discussions by my teachers are clear and worthwhile	33	48	32	58	65	57	44	44	45	56	46
I don't understand my class discussions	20	22	20	17	7	12	17	8	15	10	16
I don't find class discussions fun or exciting	50	46	52	44	31	25	43	45	39	28	42

Table 7 Twelfth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Positive Reinforcement											
I am praised when I do good work	43	52	41	51	73	55	47	53	47	47	48
I do a lot of good work that goes unnoticed	44	41	45	44	31	40	44	44	56	39	43
I am rarely told when I do good work	55	47	57	42	29	38	49	45	54	54	50
My teachers praise me when I complete my work	18	29	11	34	43	31	22	20	22	16	21
I am always told about my bad work and not my good work	33	27	34	30	20	25	28	25	37	23	29
Factor: Curriculum Relevance											
School doesn't teach the more important things in life	66	53	72	61	46	65	67	60	54	61	67
This school teaches me the things I want to learn	39	47	22	50	63	38	31	37	63	33	39
I think I am learning a lot of things that will help me earn a living when I get older	46	34	31	55	62	43	41	47	82	48	45
My school activities don't help me in anything that I do outside of school	38	34	49	45	21	29	41	34	17	30	36
Most school work will be useful to me when I get out of school	41	51	32	52	63	43	39	41	72	46	43
Factor: Fear of Asking Questions											
I am afraid that my teacher will call on me	29	41	26	21	23	21	24	23	25	26	27
I have a difficult time speaking up in front of the class	49	46	49	46	39	50	49	43	51	46	47
I am not afraid to ask for help when I need it	74	77	71	82	81	72	75	74	72	70	74
I am usually afraid to ask questions	29	28	32	15	22	24	29	24	25	29	27
I go to teachers for help when I need it	57	73	60	75	78	69	62	62	62	68	64
Factor: Perception of Progress in Learning											
I think I learned more this year than in previous years	44	45	35	51	48	52	38	45	50	42	43
I don't think I am learning much in school	44	43	57	42	34	38	52	40	24	40	44
I think I learned less this year than I did in previous years	47	44	49	39	42	37	49	42	38	41	44
I think I am learning a lot in school	42	48	31	44	56	51	41	46	66	51	45

Table 7 Twelfth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor: Racial Items											
I would like to have more friends of other races	64	58	60	64	67	71	62	77	64	77	67
The presence of different races in the same school hinders learning	14	28	25	21	13	11	17	8	18	9	16
I have some friends of other races in this school	65	84	18	86	86	77	72	23	84	79	60
It is difficult to make friends with students of other races	43	35	40	43	48	35	42	29	33	48	40
I consider getting to know students of other races as part of my education	53	61	57	62	57	66	58	65	59	71	60
I wish there were more students of other races in this school	42	31	52	43	33	53	39	51	40	55	45
I am afraid of students of other races	11	10	8	13	13	12	14	11	7	7	10
I think it is a good idea to have students of different races go to the same school	71	75	57	79	88	80	71	82	74	90	75
Factor Y:(Tentative)											
I think my teachers understand me	51	51	43	64	76	55	50	50	53	53	52
Most of my teachers seem to like me	88	87	84	88	96	90	86	91	79	89	88
Most of my teachers are excellent	35	50	30	52	67	40	42	38	47	42	40
I find my teachers to be fun and exciting	28	48	25	55	54	41	37	22	40	27	33
I am proud to be a student in this school	68	69	56	71	71	74	56	63	89	64	65
I can get help from most teachers	81	83	77	86	92	84	78	85	81	90	83
I like most of my teachers	78	76	74	87	97	83	82	84	69	86	82
Teachers in this school do a poor job	33	29	50	25	17	22	31	28	19	24	31
My teachers really know how to teach	45	56	30	53	67	50	46	42	61	46	46
Most of my teachers are not considerate of how students feel	42	31	54	30	14	37	43	37	47	34	40
If students don't learn here, it is not the fault of the teachers	47	62	31	64	71	42	50	43	57	44	47
Teachers at this school really seem to enjoy teaching	57	66	44	60	76	62	63	64	75	66	61

Table 7 Twelfth Grade (continued)

Factor and Items	School, Sample Size, and Percentage Who Agreed with Each Item										
	A	B	C	D	E	F	G	H	I	J	Total
Factor X (Tentative)											
I am not encouraged to look at both sides of the question in this school	39	35	48	35	18	38	42	34	23	24	36
My teachers don't treat me like a human being	15	14	18	13	4	17	16	9	19	10	14
My teachers don't encourage me to try things on my own	36	27	39	26	15	30	34	31	26	28	32
This school does not give me a chance to develop my skills and talents	38	38	50	40	20	39	45	39	19	36	39
Nobody is really interested in my opinions about hos this school should be run	54	51	67	48	39	42	56	54	47	46	53
Other Items											
People in this school don't appreciate my efforts	38	37	46	40	24	28	37	34	33	31	36
I am encouraged to say what I really think in our class discussion	57	66	55	67	69	61	59	67	65	66	62
This school provides help when I need it	51	54	39	66	73	53	45	51	60	53	51
I am encouraged to think for myself in this school	64	83	56	77	87	70	64	66	80	66	67
I think school is a pretty lonely place	28	34	30	37	14	28	26	29	23	25	28
This school is helpful for students who are not going to college	62	58	49	64	73	62	59	54	87	52	59
My teachers encourage me to act on things I believe in	44	60	34	60	67	50	49	40	59	52	47
I enjoy learning new things	95	93	96	96	98	97	95	97	94	99	96
In at least one class I really learned something this year	93	91	87	90	95	91	90	94	90	96	92
My teachers encourage me to stick up for my own beliefs even if they disagree with me	52	65	50	63	72	56	55	50	49	62	55

Table 8

Response by Grade to Items on the Student Opinion Questionnaire May 1972

Factor and Items	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Factor: Liking of School						
Schoolwork is interesting	60%	50%	50%	49%	47%	45%
I don't like my classes	26	33	31	29	30	32
I like school	58	53	57	61	59	59
I hate school	29	34	30	26	27	26
I find my teachers to be fun and exciting	42	36	36	33	32	33
I like most of my teachers	76	69	75	77	79	82
My classes are boring	50	57	54	58	60	62
I think school is fun	52	46	49	52	47	46
I don't like school work	46	56	57	58	60	61
I like my classes	60	51	56	59	57	58
I don't look forward to going to school	46	48	45	46	49	49
Factor: Interest in Learning						
I really don't care whether I learn anything or not	7	9	8	8	7	7
I do not like to stay out of school	49	46	47	50	47	44
I enjoy learning new things	90	89	91	93	95	92
I don't care if I learn anything, I just want to pass	15	19	17	17	16	17
When I graduate or leave this school I want to continue my education	84	80	84	70	73	78
I would like to quit school	17	18	15	16	15	12
Factor: Unfair Punishment						
I have often been punished here without cause	40	42	35	21	25	18
Sometimes I am blamed for someone else's activities	71	72	64	48	46	37
I have been punished in front of others in this school	44	49	45	30	31	29
I am only punished when I deserve it	56	50	54	64	65	67

Table 8 (continued)

Response by Grade

Factor and Items	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Factor: Unfair Punishment (cont.)						
The teachers here never yell at me	22%	19	23%	33%	35%	42%
The teachers are always suspicious of me	36	39	31	27	23	19
Factor: Self Concept						
I am not very good in school work	32	32	30	28	28	23
I have the ability to learn most things	89	89	90	91	92	93
I see myself as a successful student	72	71	72	72	73	75
Learning things in school comes easy to me	56	54	55	56	57	64
There are a lot of things I don't understand no matter how hard I study	63	66	63	63	62	57
Factor: Friendly Atmosphere						
I have some good friends here in school	95	95	94	94	94	93
A lot of students here are stuck up	69	67	62	61	63	66
Students here are not willing to help me	28	28	23	21	21	24
People in this school try to make me feel important	35	29	29	27	24	22
Most students in this school are friendly	72	75	79	78	75	73
Factor: Involvement in Decision Making						
My teacher never asks me to help plan what our class does	56	55	56	60	59	56
I help to make decisions in my classes	47	45	44	41	41	43
Many times students are given a chance to decide what the class does	52	51	49	48	46	48
Sometimes I help decide what our class does	44	43	43	44	43	47
I am never involved in making decisions about my school or class	43	45	43	45	45	42

Table 8 (continued)

Response by Grade

Factor and Items	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Factor: Class Discussions						
I enjoy being in class discussions	67%	62%	60%	62%	62%	65%
The lectures and class discussions by my teachers are clear and worthwhile	56	47	47	46	43	46
I don't understand my class discussions	22	22	21	20	19	16
I don't find class discussions fun or exciting	45	48	48	45	45	42
Factor: Positive Reinforcement						
I am praised when I do good work	56	50	49	47	49	48
I do a lot of good work that goes unnoticed	49	51	47	44	44	43
I am rarely told when I do good work	56	56	53	50	50	50
My teachers praise me when I complete my work	29	25	25	22	22	21
I am always told about my bad work and not my good work	45	46	41	37	34	29
Factor: Curriculum Relevance						
School doesn't teach the more important things in life	42	52	48	54	60	67
This school teaches me the things I want to learn	50	41	39	43	40	39
I think I am learning a lot of things that will help me earn a living when I get older	72	63	61	55	50	45
My school activities don't help me in anything that I do outside of school	33	37	36	36	38	36
Most school work will be useful to me when I get out of school	75	65	63	52	48	43
Factor: Fear of Asking Questions						
I am afraid that my teacher will call on me	28	30	29	30	27	27
I have a difficult time speaking up in front of the class	50	50	53	53	51	47
I am not afraid to ask for help when I need it	74	73	71	71	72	74

Table 8 (continued)

Response by Grade

Factor and Items	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Factor: Fear of Asking Questions (continued)						
I am usually afraid to ask questions	27%	28%	30%	29%	28%	27%
I go to teachers for help when I need it	75	69	66	67	63	64
Factor: Perception of Progress in Learning						
I think I learned more this year than in previous years	70	58	61	53	48	43
I don't think I am learning much in school	22	29	31	33	39	44
I think I learned less this year than I did in previous years	24	30	30	47	36	44
I think I am learning a lot in school	70	60	57	54	47	45
Factor: Racial Items						
I would like to have more friends of other races	75	70	69	66	66	67
The presence of different races in the same school hinders learning	27	25	21	19	17	16
I have some friends of other races in this school	76	72	67	67	65	60
It is difficult to make friends with students of other races	33	36	37	38	39	40
I consider getting to know students of other races as part of my education	63	58	56	53	58	60
I wish there were more students of other races in this school	51	48	47	42	46	45
I am afraid of students of other races	20	18	15	13	11	10
I think it is a good idea to have students of different races go to the same school	70	66	68	70	72	75
Factor Y (Tentative)						
I think my teachers understand me	58	50	52	51	49	52
Most of my teachers seem to like me	75	73	78	83	85	88
Most of my teachers are excellent	52	45	46	44	38	40

Table 8 (continued)

Response by Grade

Factor and Items	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Factor Y (Tentative) (continued)						
I find my teachers to be fun and exciting	42%	36%	36%	34%	32%	33%
I am proud to be a student in this school	69	60	58	76	69	65
I can get help from most teachers	82	81	82	82	82	83
I like most of my teachers	76	69	75	76	78	82
Teachers in this school do a poor job	22	34	24	24	30	31
My teachers really know how to teach	60	52	53	49	43	46
Most of my teachers are not considerate of how students feel	50	53	49	44	45	40
If students don't learn here, it is not the fault of the teachers	67	59	59	54	50	47
Teachers at this school really seem to enjoy teaching	63	57	61	61	59	61
Factor X (Tentative)						
I am not encouraged to look at both sides of the question in this school	45	44	40	37	38	36
My teachers don't treat me like a human being	22	23	18	15	15	14
My teachers don't encourage me to try things on my own	31	34	30	31	45	32
This school does not give me a chance to develop my skills and talents	34	40	39	36	39	39
Nobody is really interested in my opinions about how this school should be run	54	55	53	48	49	53
Other Items						
People in this school don't appreciate my efforts	33	35	33	33	35	36
I am encouraged to say what I really think in our class discussion	57	58	57	59	59	62
This school provides help when I need it	65	57	55	57	51	51

Table 8 (continued)

Response by Grade

Factor and Items	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Other Items (continued)						
I am encouraged to think for myself in this school	76%	74%	74%	75%	71%	67%
I think school is a pretty lonely place	28	30	27	25	28	28
This school is helpful for students who are not going to college	59	52	52	64	63	59
My teachers encourage me to act on things I believe in	48	46	47	46	46	47
I enjoy learning new things	90	89	92	93	95	96
In at least one class I really learned something this year	93	91	94	93	92	92
My teachers encourage me to stick up for my own beliefs even if they disagree with me	53	50	52	53	53	55